

FLAME-TREATING PROCESS

Abstract

5
the present invention provides a method of modifying the surface of a polymeric
substrate, e.g., to improve the wettability of the polymer film surface and/or alter the metal
adhesion properties of the surface of the substrate by exposing the substrate to a flame.
The flame is supported by an oxidizer and fuel mixture that includes an effective amount,
for modifying the polymeric substrate, of at least one sulfur-containing compound that
functions as a fuel substitute. In addition, substrates are provided that have increased
wettability or increased metal adhesion performance.
10